

**SURVEY SPECIFICATIONS:**  
 Survey Flying Date: July 15th - 25th 2011  
 Survey Operations Base: Laidman Lake, British Columbia  
 Nominal Survey Line Spacing: 150 Meters  
 Nominal Survey Line Direction: N 0° E / N 180° E  
 Helicopter Mean Terrain Clearance: 158 metres  
 Mean Ground Air Speed: 25 metres/sec  
 ZTEM airborne coil: towed at a mean distance of 70 m below the helicopter  
 Airborne Magnetometer bird: towed at a mean distance of 55 m below the helicopter

**HELICOPTER SPECIFICATIONS:**  
 Helicopter Type: Aerospatiale A-Star 350 B3 (C-GTEQ)

**AIRBORNE INSTRUMENTATION**  
 Survey Type: Helicopter Z-Axis Tipper Electromagnetic (ZTEM), Magnetic Towed Bird  
 GPS Receivers (4): NovAtel CCGPS enabled Propak V3-RT20  
 GPS Receiver Location: One on the helicopter, three on EM coil  
 Radar Altimeter: Terra TRA 3000/TRI 40  
 Navigation: GEONAV-3

**AIRBORNE ELECTROMAGNETIC SYSTEM**  
 Electromagnetic System: Geotech Z-Axis Tipper (ZTEM)  
 Coil dimensions: 7.4 metres diameter  
 Coil orientation: Vertical Dipole  
 Digitizing rate: 2000Hz

**AIRBORNE MAGNETOMETER**  
 Magnetometer: GEOMETRICS  
 Magnetometer Sensitivity: +/- 0.02 nT  
 Sampling Rate: 0.2 Hz

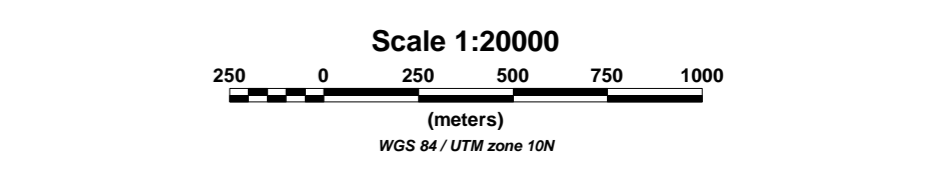
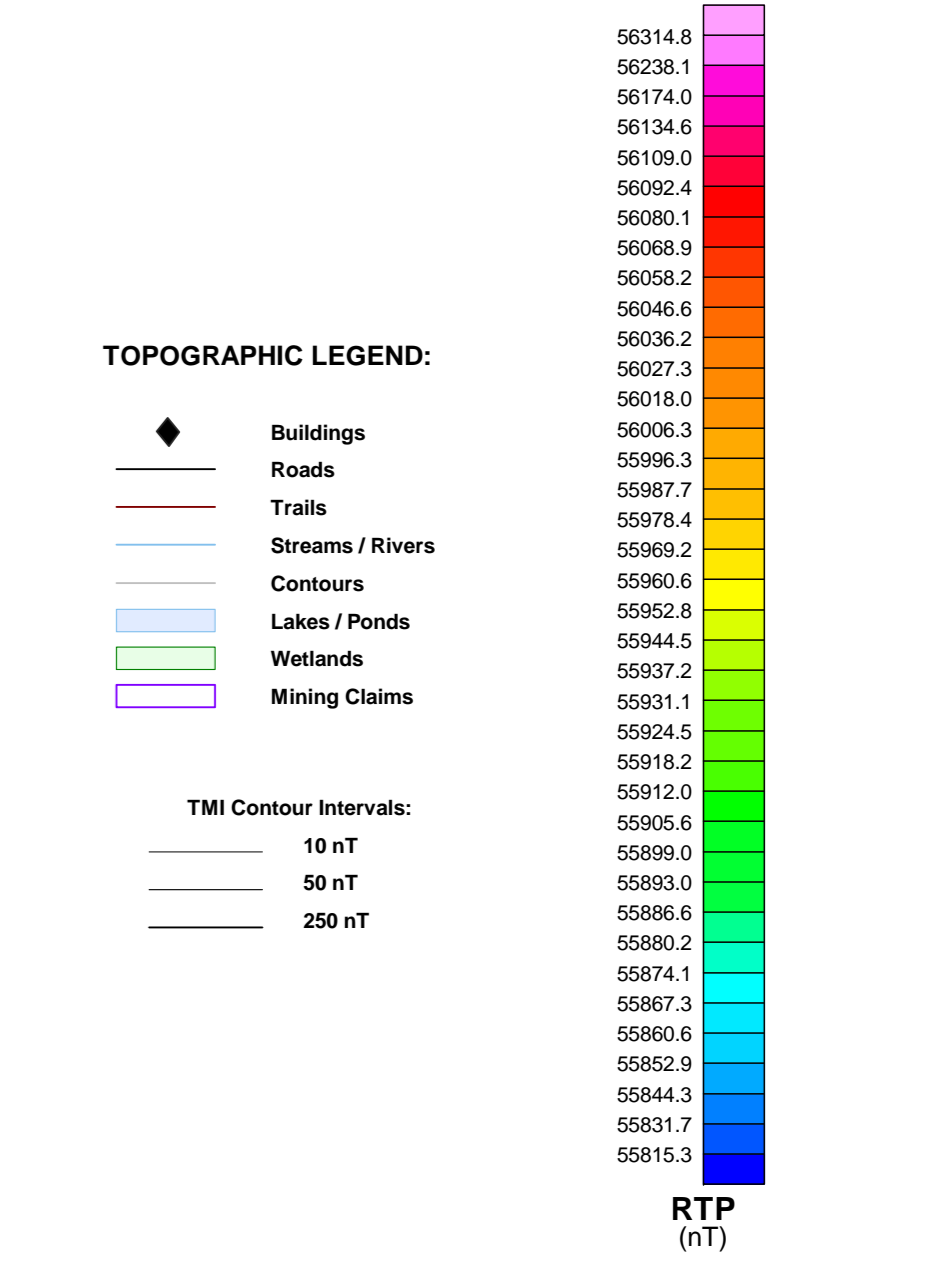
**GROUND INSTRUMENTATION**  
**MAGNETIC BASE STATION**  
 Magnetometer: GEOMETRICS  
 Base Station Location: (53°07'86.03" N, 125°10'68.06" W)

**EM BASE STATION**  
 Two orthogonal square coils  
 Coil dimensions: 3.5 metres each side  
 Coil orientation: Horizontal Dipole  
 Base Station Location: (53°07'12" N, 124°50'37" W)  
 Azimuth: AzA = N 358° E AzB = N 88° E

**PROCESSING SUMMARY**  
**MAGNETICS:**  
 Diurnal Subtraction, microlevelling

**ZTEM:**  
 Frequencies extracted: 30, 45, 90, 180, 360, 720Hz  
 Sampling rate: 0.4 sec.  
 Rotation of the inphase part of the inline and orthogonal components (Z/Yloc and Z/Yloc) to UTM Eastings and Northings  
 Altitude correction applied, (calculated from 3 GPS receivers installed on airborne coil).  
 DIV(TMI) calculated: d(Xcomp)/d(Ycomp) for all 6 frequencies.  
 Phase Rotated Grids (90 deg) calculated from each individual X and Y component grids, for each individual frequency.

**MAP PROJECTION**  
 Datum: WGS 84  
 Projection: Universal Transverse Mercator  
 Central Meridian: 123°W (Zone 10N)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000m/0m  
 Major Axis: 6378137.0  
 Eccentricity: 0.08181919084  
 NTS: 093F02, 093F03 & 093F07



The topographic data base was derived from 1:50,000 NRC (Natural Resources Canada) NTDB data  
 Background shading is derived from NASA SRTM (Shuttle Radar Topographic Mission) data  
 Inset data derived from Geocommunities 1:250,000 Canadian National Topographic database  
 Mineral Dispositions are derived from the British Columbia Ministry of Energy and Mines  
 Geographic (www.geopratic.ca) Geocommunities (www.geocomm.com)  
 Claims (http://www.empr.gov.bc.ca)

**RJK Explorations Ltd.**  
 East Block  
 Laidman Lake, British Columbia

**Geotech ZTEM System**  
 Reduced to Pole  
 of Total Magnetic Intensity (TMI)

Flown and processed by Geotech Ltd.  
 245 Industrial Parkway North,  
 Aurora, Ontario, Canada L4G 4C4  
 www.geotech.ca

September 2011